

FIG.1

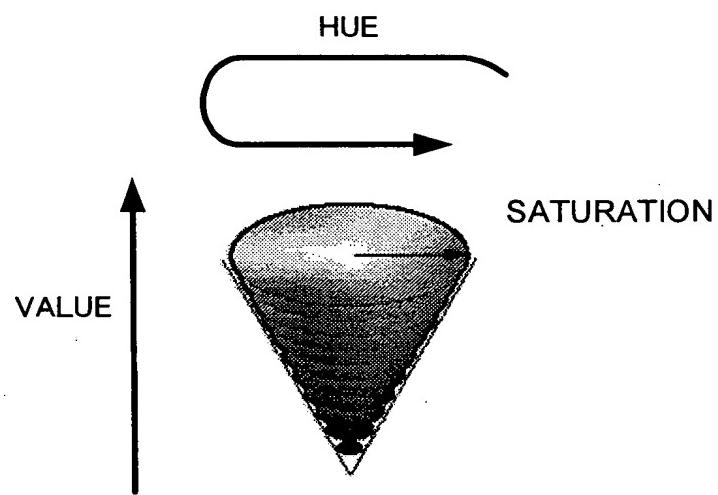


FIG.2

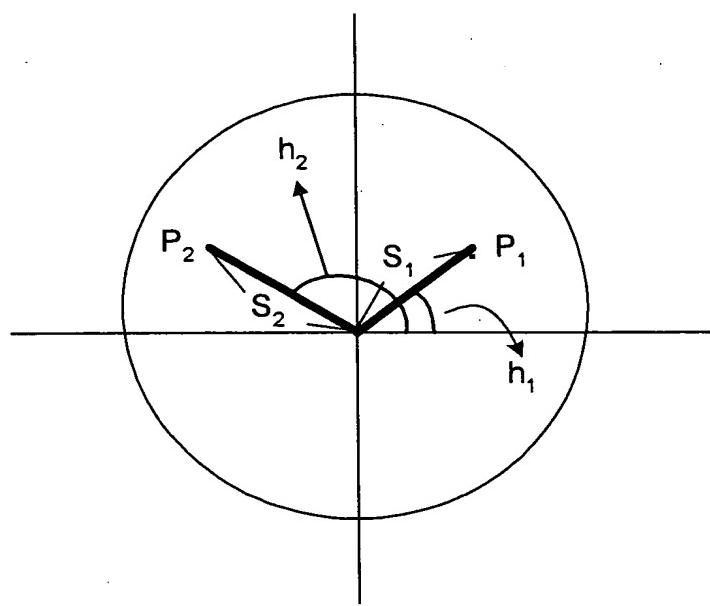


FIG.3

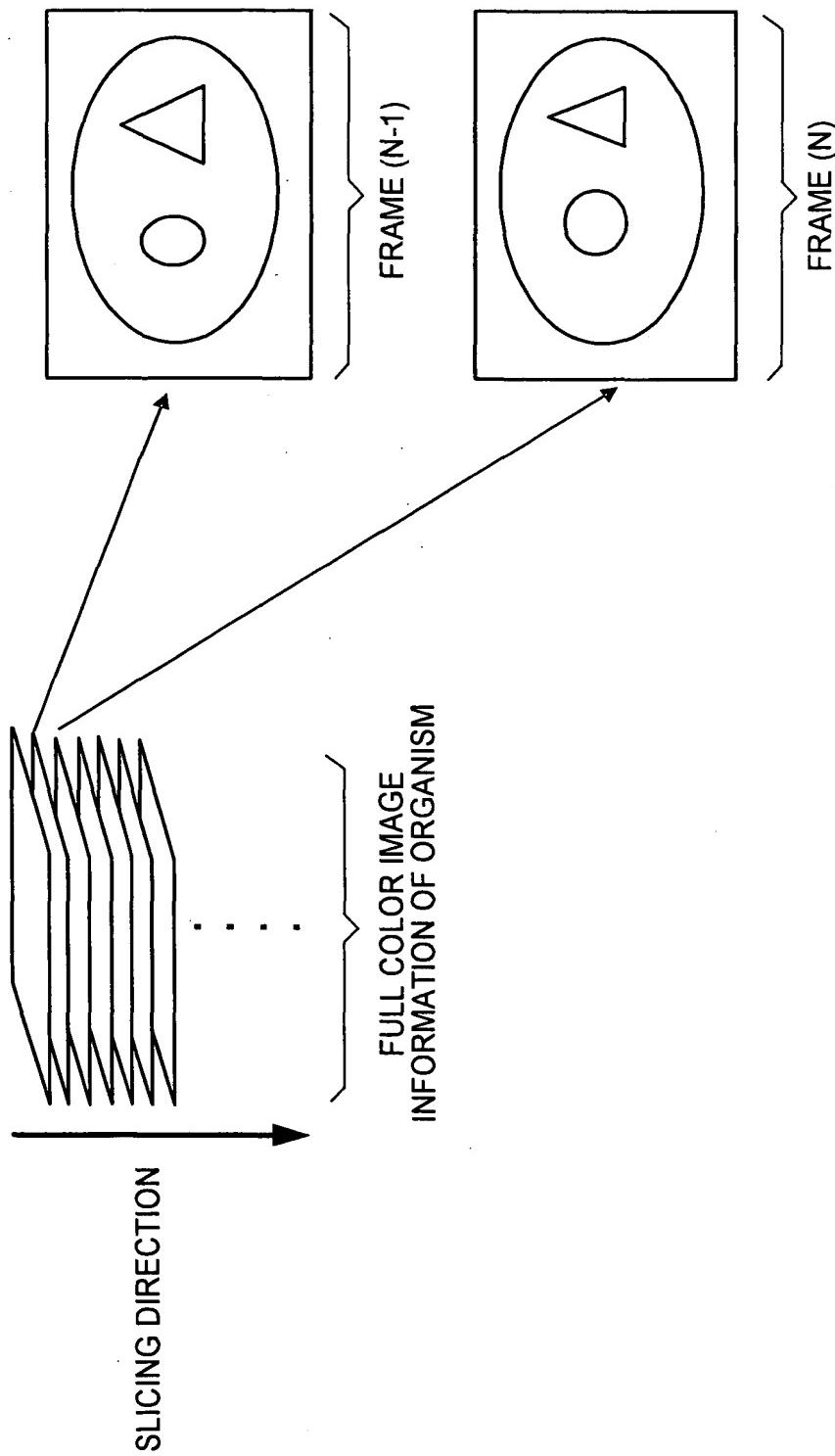


FIG.4A

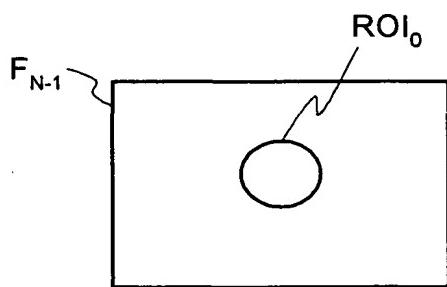


FIG.4C

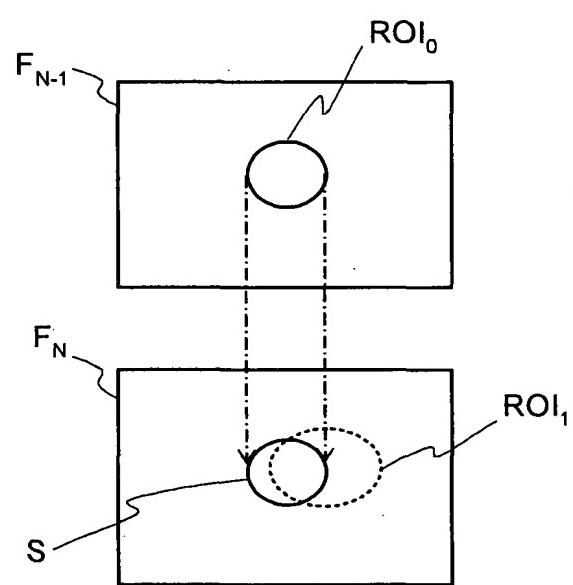


FIG.4B

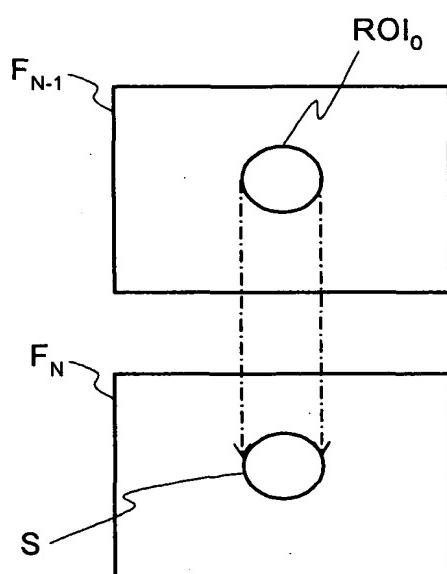


FIG.4D

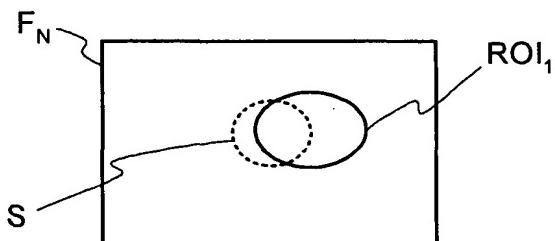


FIG.5

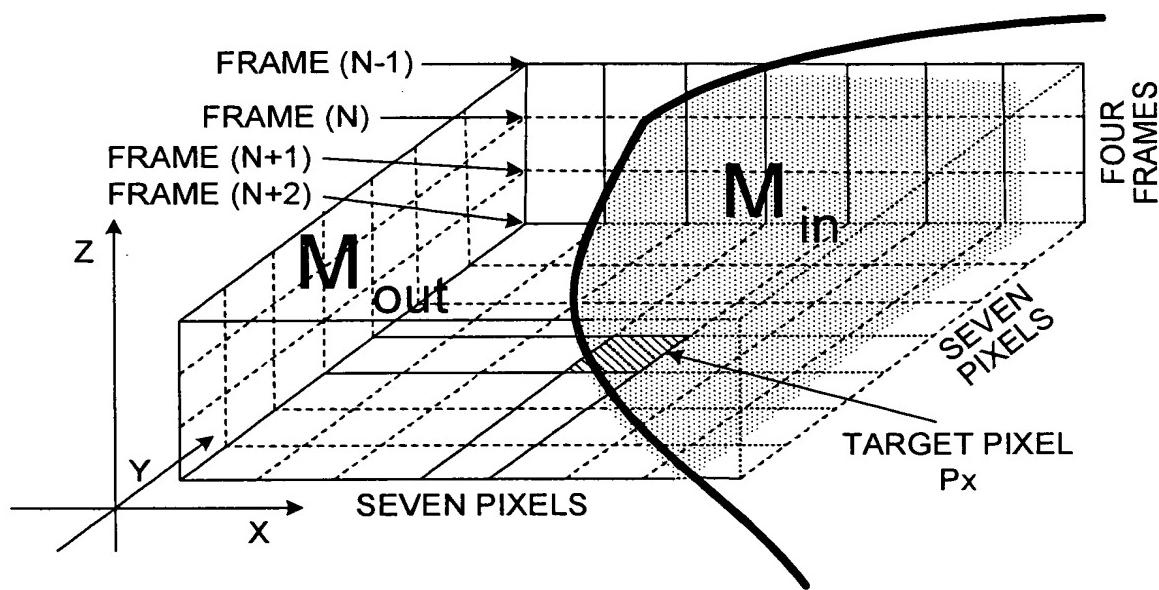


FIG.6

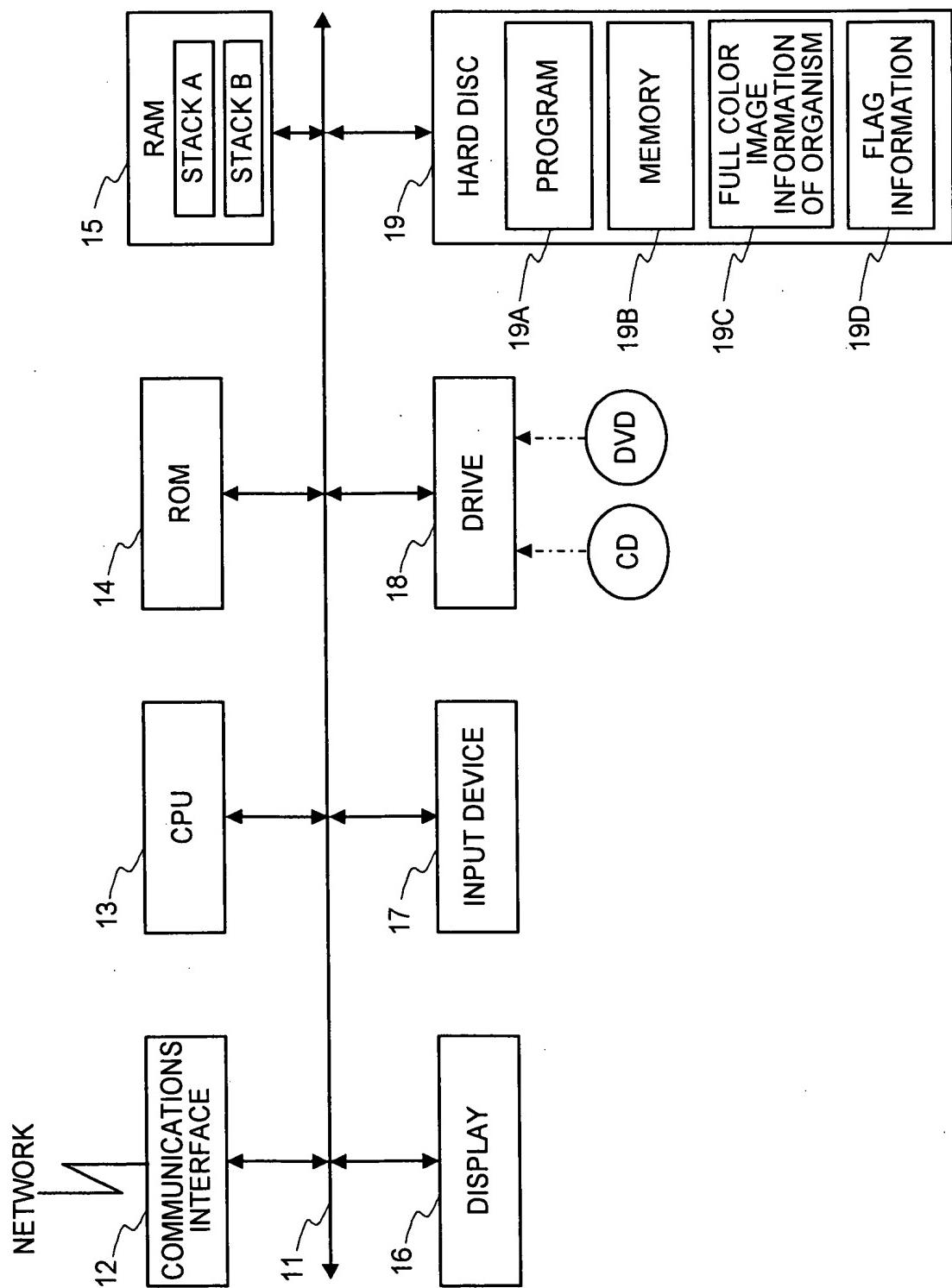


FIG.7

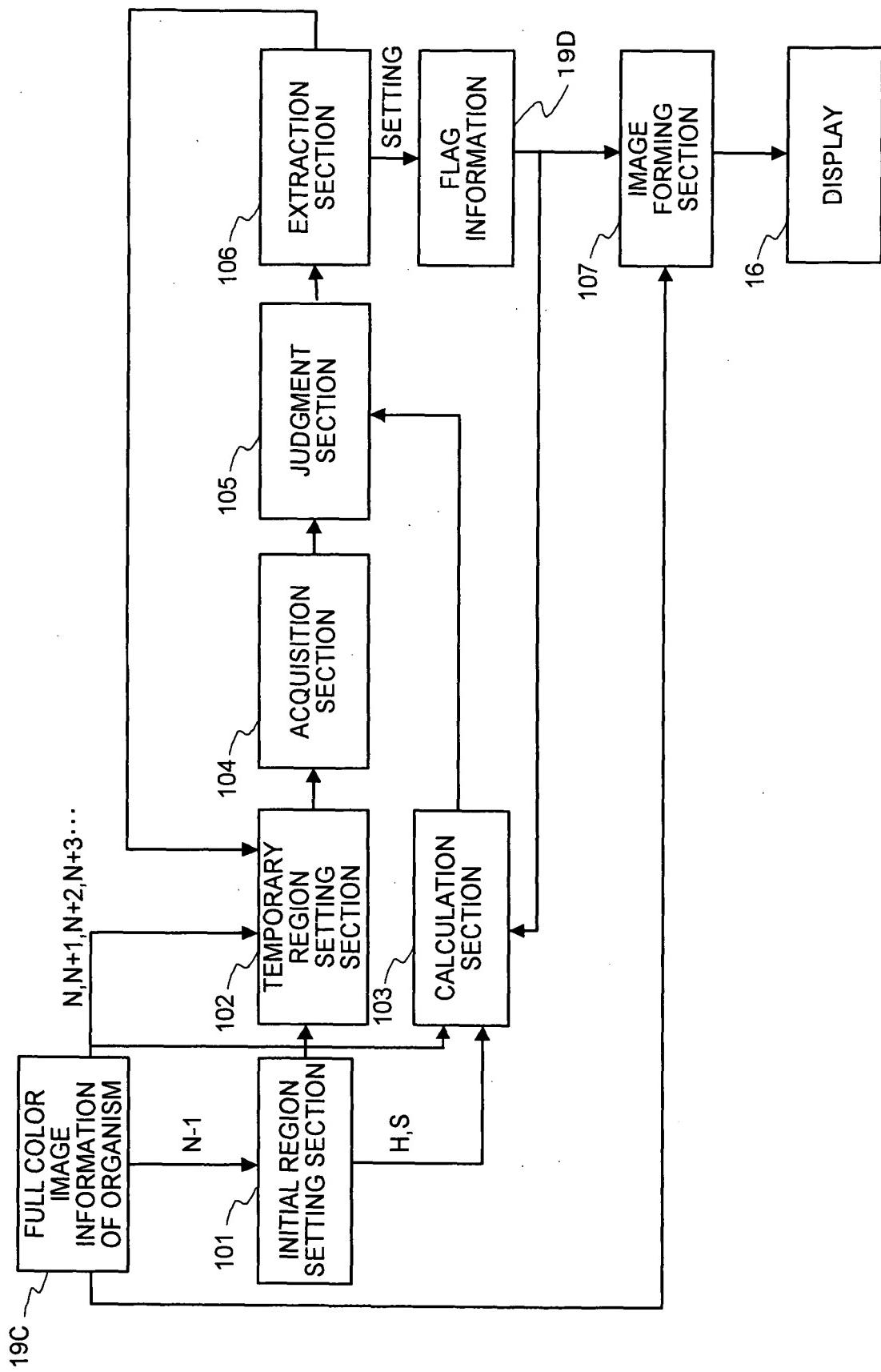


FIG.8A

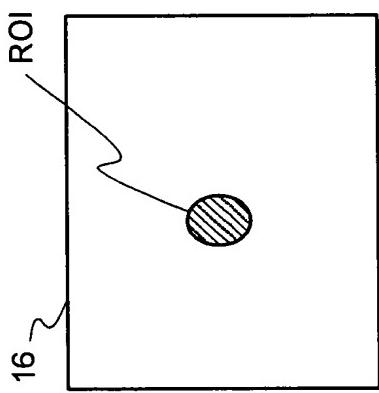


FIG.8B

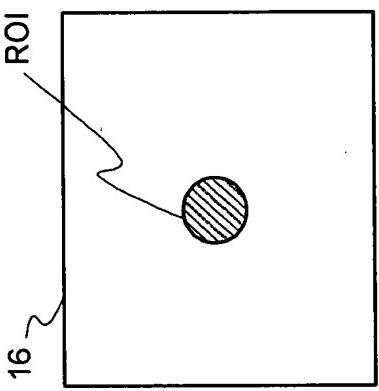


FIG.8C

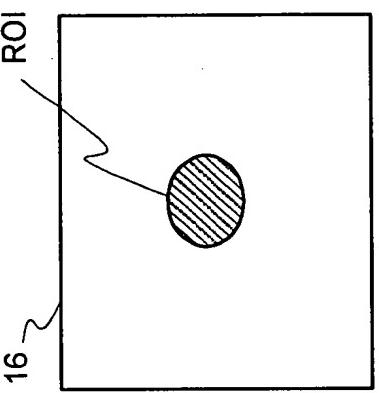


FIG.8D

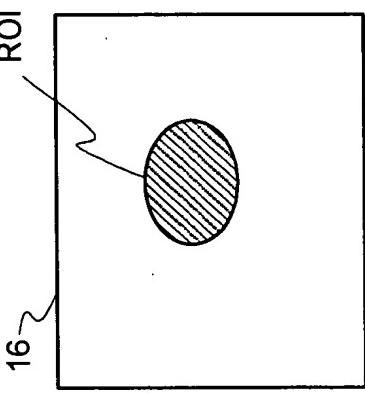


FIG.8E

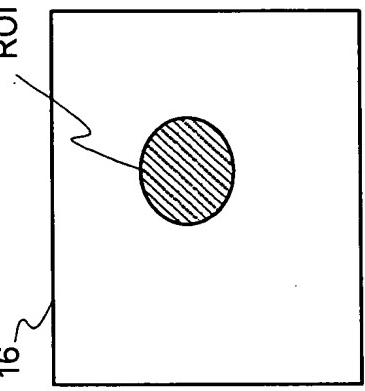


FIG.8F

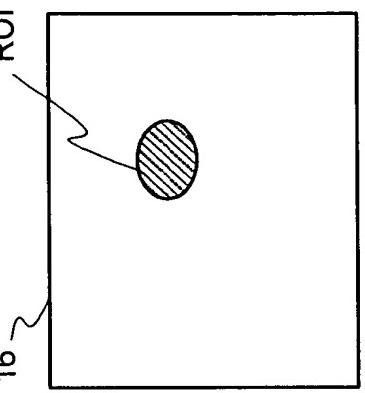
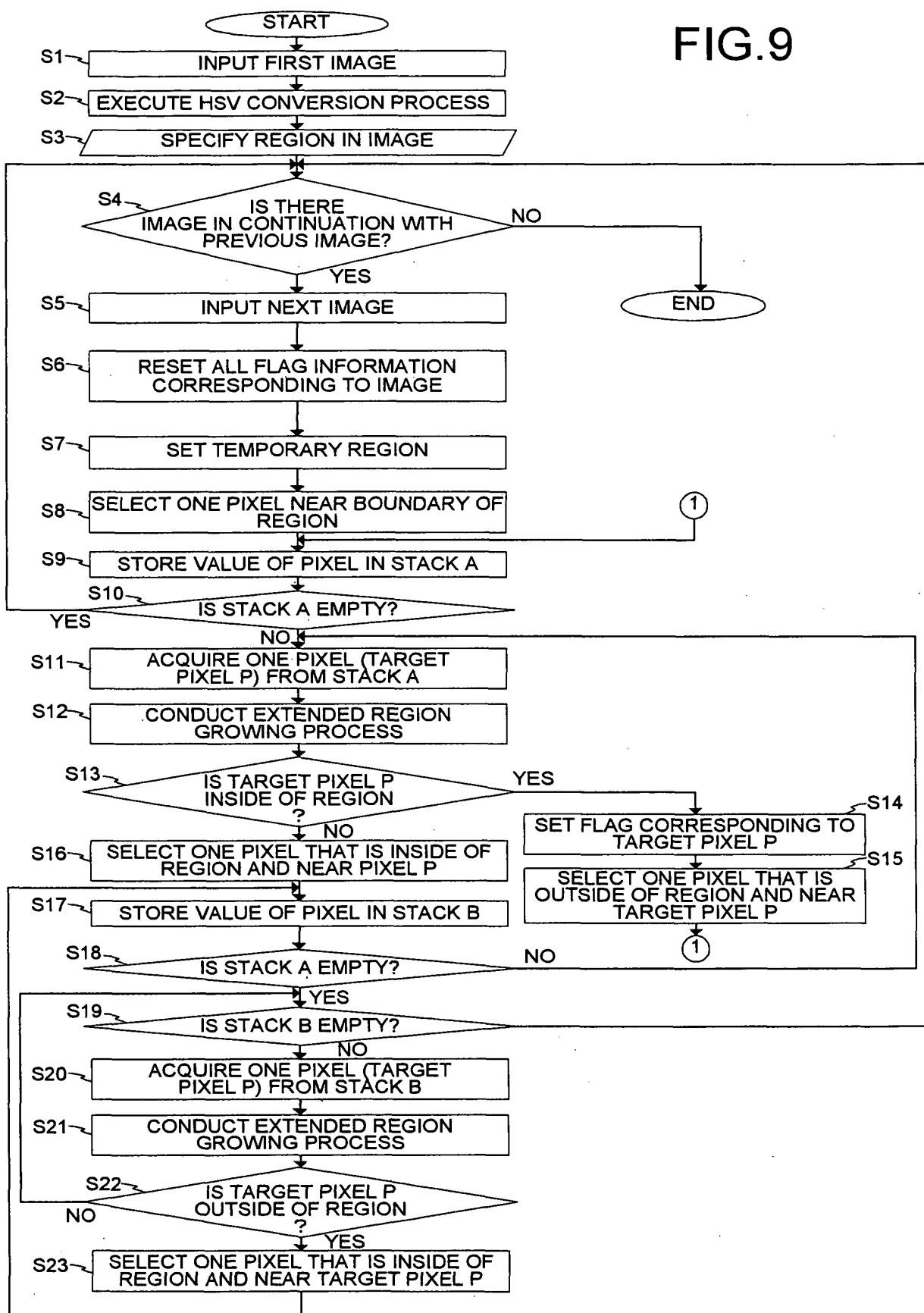


FIG.9



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FIG.10

19D

FRAME	COORDINATES	FLAG
.	.	.
.	.	.
.	.	.
100	(X ₁ ,Y ₁ ,Z ₁)	1
	(X ₂ ,Y ₂ ,Z ₂)	0
	.	.
	.	.
101	(X ₁ ,Y ₁ ,Z ₁)	0
	(X ₂ ,Y ₂ ,Z ₂)	1
	.	.
	.	.
.	.	.
.	.	.
.	.	.

FIG. 11A

ORIGINAL IMAGE



ORIGINAL IMAGE: MOUSE
ROI: STOMACH OF MOUSE
SIZE: 320 x 240 (pixels/slice)
NO. OF IMAGES: 150 (212 $\mu\text{m}/\text{pix}$)
Z AXIS RESOLUTION: 30 μm

FIG. 11B

3-DIMENSIONAL MODEL

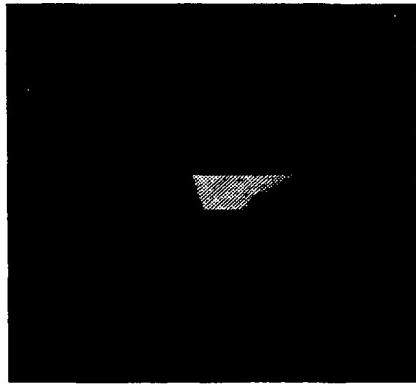


FIG. 11C

ORIGINAL IMAGE RESULT

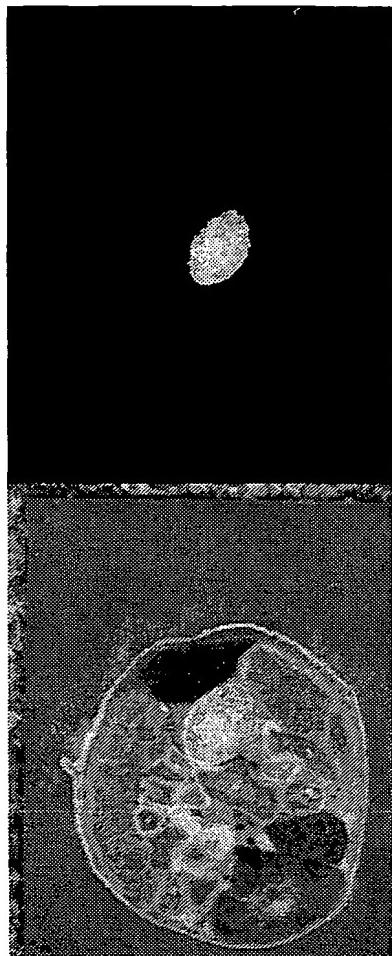
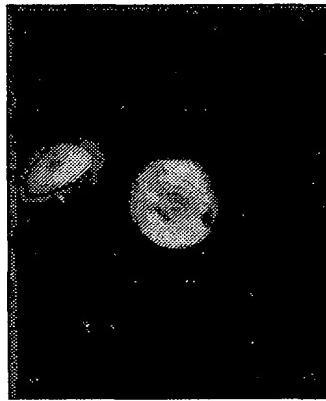


FIG. 12

FRAME No.	INSIDE OF REGION			OUTSIDE OF REGION		
	EXTRACTION AUTOMATIC /MANUAL	E	ACCURACY (%)	EXTRACTION AUTOMATIC /MANUAL	E	ACCURACY (%)
1st	1451/1493	42	97.19	75263/75307	44	99.94
5th	1606/1672	66	96.05	75101/75128	27	99.96
10th	1663/1726	63	96.35	75015/75074	52	99.92
30th	1975/2093	118	94.36	74628/74707	79	99.89
50th	2254/2329	75	96.78	74372/74471	99	99.87
100th	3397/3586	189	94.73	73029/73214	185	99.75
130th	3871/4083	212	94.81	72289/72717	428	99.41
140th	3561/3789	228	93.98	71942/73011	1069	98.54
150th	3372/4347	975	77.57	71828/72453	625	99.14

FIG. 13A

ORIGINAL IMAGE



ORIGINAL IMAGE: HUMAN EYEBALL
ROI: WHOLE OF A HUMAN EYEBALL
SIZE: 320 × 240 (pixels/slice)
NO. OF IMAGES: 840 (212 $\mu\text{m}/\text{pix}$)
Z AXIS RESOLUTION: 10 μm

FIG. 13B

3-DIMENSIONAL MODEL



FIG. 13C

RESULT

